

Sec. 22-501. - Adoption of the International Fuel Gas Code.

The 2012 International Fuel Gas Code, copyrighted by the International Code Council, Inc., save and except the amendments set forth in exhibit "A", attached hereto and incorporated herein for all purposes ("2012 International Fuel Gas Code"), is hereby adopted, prescribing regulations applicable to all commercial or residential structures and existing premises and constitutes minimum requirements and standards for commercial and existing premises construction applications. The 2012 International Fuel Gas Code is made a part of this article as if fully set forth herein. One copy of the 2012 International Fuel Gas Code is on file in the office of the city secretary being marked and designated as the 2012 International Fuel Gas Code.

(Ord. No. 2013-09, §§ 2, 3, 2-26-2013)

Sec. 22-502. - Amendments to the International Fuel Gas Code.

The following sections, paragraphs and sentences of the 2012 International Fuel Gas Code are hereby amended as follows:

Chapter 1 Administration

Section 102.2, Existing installations; add an exception to read as follows:

Exception: Existing dwelling units shall comply with Section 621.2.

Section 102.8, Referenced codes and standards; amend to read as follows:

The codes and standards referenced herein shall be those that are listed in Chapter 7 and such codes, when specifically adopted, and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the ICC Electrical Code shall mean the Electrical Code as adopted.

Chapter 3, General Regulations

Section 304.10; amend to read as follows:

304.10 Louvers and grilles. The required size of openings for combustion, ventilation and dilution air shall be based on the net free area of each opening. Where the free area through a design of louver or grille is known, it shall be used in calculating the size opening required to provide the free area specified. Where the design and free area are not known, it shall be assumed that wood louvers will have 25-percent free area and metal louvers and grilles will have 50-percent free area. Non-motorized louvers and grilles shall be fixed in the open position. Motorized louvers shall be interlocked with the equipment so that they are proven to be in the full open position prior to main burner ignition and during main burner operation. Means shall be provided to prevent the main burner from igniting if the louvers fail to open during burner start-up and to shut down the main burner if the louvers close during operation.

Section 304.11; add an exception 8 to read as follows:

1. (existing exception unchanged)
2. (existing exception unchanged)

3. (existing exception unchanged)
4. (existing exception unchanged)
5. (existing exception unchanged)
6. (existing exception unchanged)
7. (existing exception unchanged)
8. Combustion air intake openings located on the exterior of a building shall have the lowest side of such openings located not less than 12 inches (305 mm) vertically from the adjoining grade level or the manufacturer's recommendation, whichever is more stringent.

Section 305.5, Private garages; delete this section.

Section 305.7; amend to read as follows:

305.7 Clearances from grade. Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending a minimum of 3 (76 mm) above adjoining grade or shall be suspended a minimum of 6 (152 mm) above adjoining grade.

Section 306.3, Appliances in attics; amend to read as follows:

Attics containing appliances requiring access shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest component of the appliance. The passageway shall not be less than 30 inches (762 mm) high and 30 inches (762 mm) wide and not more than 20 feet (6069 mm) in length when measured along the centerline of the passageway from the opening to the equipment. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the equipment. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm) by (762 mm), or larger where such dimensions are not large enough to allow removal of the largest appliance. Walkway to the appliance(s) shall be a minimum of three quarters inches ($\frac{3}{4}$ ") floor rated material to match IRC amendment in 1305.1.3. As a minimum, access to the attic space of residential uses shall be provided by one of the following:

1. A permanent stair.
2. A pull down stair with a 300 lb (136 kg) capacity.
3. An access door from an upper floor level.
4. Access panel may be used in lieu of items 1, 2, or 3 with prior approval of the code official due to structural conditions.

Section 306.5; change to read as follows:

306.5 Equipment and appliances on roofs or elevated structures. Where equipment and appliances requiring access are installed on roofs or elevated structures at an aggregate height exceeding 16 feet (4877 mm), such access shall be provided by a permanent approved means of access. Permanent exterior ladders providing roof access need not extend closer than 12 feet (3657 mm) to the finish grade or floor level below and shall extend to the equipment and appliance's level service space. Such access shall not require climbing over obstructions greater than 30 inches high (762 mm) or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope).

A receptacle outlet shall be provided at or near the equipment and appliance location in accordance with the Electrical Code.

Section 306.5.1.1, Catwalk; add section to read as follows:

On roofs having slopes greater than 4 units vertical in 12 units horizontal, a catwalk at least 16 inches in width with substantial cleats spaced not more than 16 inches apart shall be provided from the roof access to the working platform at the appliance.

Section 306.7, Water heaters above ground or floor; add section to read as follows:

When the attic, roof, mezzanine or platform in which a water heater is installed is more than eight (8) feet (2438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder fastened to the building.

Exception: A maximum 10 gallon water heater (or larger with approval) is capable of being accessed through a lay-in ceiling and the water heater is installed not more than (10) feet (3048 mm) above the ground or floor level and may be reached with a portable ladder.

306.7.1. Whenever the mezzanine or platform is not adequately lighted or access to a receptacle outlet is not obtainable from the main level, lighting and a receptacle outlet shall be provided in accordance with Section 306.3.1.

Chapter 4, Gas Piping Installations

Section 401.5, Identifications; add a second paragraph as follows:

Both ends of each section of medium pressure corrugated stainless steel tubing (CSST) shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

"WARNING - ½ to 5 psi gas pressure - Do Not Remove"

Section 402.3, Sizing; add exception #4 to read as follows:

1. (existing exception unchanged)
2. (existing exception unchanged)
3. (existing exception unchanged)
4. Corrugated stainless steel tubing (CSST) shall be a minimum of ½".

Section 404.9, Minimum burial depth; amend to read as follows:

Underground piping systems shall be installed a minimum depth of 18 inches (458 mm) below grade.

Section 404.9.1; Individual outside appliances; is hereby deleted in its entirety.

Section 406.1; amend to read as follows:

406.1 General. Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested to determine that the materials, design, fabrication, and installation practices comply with the requirements of this code. The permit holder shall make the applicable tests prescribed in Sections 406.1.1 through 406.1.5 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the piping system is ready for testing. The equipment, material, power and labor necessary for the inspections and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.

Section 406.4.2, Test duration; amend to read as follows:

Test duration shall be held for a length of time satisfactory to the Code Official, but in no case for less than 15 minutes. For welded piping, and for piping carrying gas at pressures in excess of 14 inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Code Official, but in no case for less than 30 minutes. (Delete remainder of section.)

Section 409.1.4, Valves in CSST installations; add section to read as follows:

Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12 inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

Section 410.1, Pressure regulators; add a second paragraph and exception to read as follows:

Access to regulators shall comply with the requirements for access to appliances as specified in Section 306.

Exception: A passageway or level service space is not required when the regulator is capable of being serviced and removed through the required attic opening.

Chapter 6, Specific Appliances

Section 614.6, Domestic clothes dryer ducts; add a sentence to read as follows:

Exhaust ducts for domestic clothes dryers shall conform to the requirements of Sections 614.6.5.1 or 614.6.5.2. The size of duct shall not be reduced along its developed length nor at the point of its termination.

Section 621.2, Prohibited use; amend to read as follows:

One or more unvented room heaters shall not be used as the sole source of comfort heating in a dwelling unit.

Exception: Existing approved unvented heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when approved by the Code Official unless an unsafe condition is determined to exist as described in Section 108.7.

Section 624.1.1, Installation requirements; amend to read as follows:

The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with the International Plumbing Code.

(Ord. No. 2013-09, §§ 2, 4(Exh. A), 2-26-2013)

Secs. 22-503—22-510. - Reserved.